

ANNALS OF PURE AND APPLIED LOGIC

Volume 94, Numbers 1-3

Special Volume

Conference on Computability Theory

27 January – 3 February 1996

Oberwolfach, Germany

Guest-Editors

Klaus Ambos-Spies

Theodore A. Slaman

Robert I. Soare

Contents

Preface	1
Participants and titles of lectures	3
<i>A. Beckmann and W. Pohlers</i> Applications of cut-free infinitary derivations to generalized recursion theory	7
<i>D. Cenzer and J.B. Remmel</i> Feasible graphs with standard universe	21
<i>P. Cholak</i> The dense simple sets are orbit complete with respect to the simple sets	37
<i>R.G. Downey and R.A. Shore</i> Splitting theorems and the jump operator	45
<i>P.A. Fejer</i> Lattice representations for computability theory	53
<i>S.S. Goncharov</i> Decidable Boolean algebras of low level	75
<i>L. Harrington and R.I. Soare</i> Definable properties of the computably enumerable sets	97
<i>J.F. Knight</i> Coding a family of sets	127
<i>M. Lerman</i> A necessary and sufficient condition for embedding ranked finite partial lattices into the computably enumerable degrees	143
<i>M. Rathjen, E.R. Griffor and E. Palmgren</i> Inaccessibility in constructive set theory and type theory	181
<i>H. Schwichtenberg</i> Finite notations for infinite terms	201
<i>A. Shlapentokh</i> Weak presentations of non-finitely generated fields	223

<i>T.A. Slaman and W.H. Woodin</i>	
Extending partial orders to dense linear orders	253
<i>A. Sorbi</i>	
Sets of generators and automorphism bases for the enumeration degrees	263
<i>F. Stephan</i>	
Learning via queries and oracles	273
Author Index	297

